Amendments to the Claims

The listing of claims will replace the previous version, and the listing of claims:

Listing of Claims

1. (currently amended) Highly pure hexagonal boron nitride single crystals ~~with far ultraviolet light emission characteristics~~ emitting far ultraviolet light having a ~~the~~ maximum light emission peak in ~~the~~ a far ultraviolet region at a wavelength of 235 nm or shorter, said highly pure hexagonal boron nitride single crystals having a hexagonal prism form with millimeter size.

2. (currently amended) The highly pure hexagonal boron nitride single crystals according to ~~with the far ultraviolet light emission characteristics in~~ claim 1, wherein said far ultraviolet light has ~~is far ultraviolet light having~~ the maximum light emission peak at a wavelength ranging from ~~of~~ 210 nm to 220 nm in a UV spectrum~~, remarkably at 215 nm~~.

3-15. (canceled)

16. (new) The highly pure hexagonal boron nitride single crystals according to claim 2, wherein said far ultraviolet light has the maximum light emission peak at a wavelength of 215 nm.

17. (new) The highly pure hexagonal boron nitride single crystals according to claim 1, wherein the highly pure hexagonal boron nitride single crystals have hexagonal prism forms having 1 to 3 millimeter sizes.

18. (new) The highly pure hexagonal boron nitride single crystals according to claim 1, wherein said hexagonal boron nitride single crystals are produced by a method comprising:

preparing boron nitride as a raw material;

dissolving the raw material in a highly pure solvent of alkali earth metal boronitride without oxygen impurities, or alkali metal and alkali earth metal boronitride without oxygen impurities; and

recrystallizing the raw material dissolved in the highly pure solvent so as to obtain the highly pure hexagonal boron nitride single crystals.